

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:
BARNES & THORNBURG
 Attn. Conard, Richard D.
 11 South Meridian Street
 Indianapolis, IN 46204
 UNITED STATES OF AMERICA

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BARNES & THORNBURG

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FOR A19BY gdDATE 2/12/03**PCT**
CH ED BYNOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT
OR THE DECLARATION

(PCT Rule 44.1)

		Date of mailing (day/month/year)	05/02/2003
Applicant's or agent's file reference 7175-71397		FOR FURTHER ACTION See paragraphs 1 and 4 below	
International application No. PCT/US 02/ 32221		International filing date (day/month/year)	09/10/2002
Applicant HILL-ROM SERVICES, INC.			

1. The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland
 Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Further action(s): The applicant is reminded of the following:

Shortly after 18 months from the priority date, the International application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the International application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority  European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-2016	Authorized officer Sylvie Fernandez
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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 7175-71397	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 02/ 32221	International filing date (day/month/year) 09/10/2002	(Earliest) Priority Date (day/month/year) 11/10/2001
Applicant HILL-ROM SERVICES, INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

- contained in the international application in written form.
- filed together with the international application in computer readable form.
- furnished subsequently to this Authority in written form.
- furnished subsequently to this Authority in computer readable form.
- the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. Certain claims were found unsearchable (See Box I).

3. Unity of invention is lacking (see Box II).

4. With regard to the title,

- the text is approved as submitted by the applicant.
- the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

- as suggested by the applicant.
- because the applicant failed to suggest a figure.
- because this figure better characterizes the invention.

1

None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 02/32221

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61M1/00 A61M27/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 636 643 A (ARGENTA LOUIS C ET AL) 10 June 1997 (1997-06-10) cited in the application column 6, line 19 - line 45; figure 1 column 8, line 65 -column 9, line 19; figure 8 column 8, line 20 - line 26 ---	1-5, 7, 8, 10-13, 15-22
Y	WO 01 34223 A (KCI MEDICAL LTD ;HEATON KEITH PATRICK (GB)) 17 May 2001 (2001-05-17) page 5, last paragraph ---	6
Y	---	6
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

S document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
29 January 2003	05/02/2003
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax. (+31-70) 340-3016	Lakkis, A

INTERNATIONAL SEARCH REPORT

Int. Application No
PCT/US 02/32221

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01 37922 A (HENLEY ALAN WAYNE ;PETROSENKO ROBERT (US); SANDERSON RONALD LESLIE) 31 May 2001 (2001-05-31) cited in the application page 9, paragraph 4; figure 6 -----	4,5,20
A	EP 1 088 569 A (KCI MEDICAL LTD) 4 April 2001 (2001-04-04) paragraphs '0011!, '0018!-'0020!; figures 1,3 -----	1-8, 10-14, 16-22
A	GB 1 584 772 A (WALLACE LTD H G) 18 February 1981 (1981-02-18) abstract; figures -----	7,9,11, 14,21
A	WO 00 21586 A (KCI MEDICAL LTD ;HEATON KEITH PATRICK (GB); HUNT KENNETH WILLIAM () 20 April 2000 (2000-04-20) page 5, line 10 - line 12 page 7, paragraph 3 - paragraph 4 figures -----	20

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 02/32221

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: **23 24**
because they relate to subject matter not required to be searched by this Authority, namely:
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy
2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 02/32221

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5636643	A	10-06-1997	US 5645081 A AT 196235 T AU 696031 B2 AU 6360894 A CA 2157772 A1 DE 69425881 D1 DE 69425881 T2 DK 688189 T3 EP 0688189 A1 ES 2151925 T3 GR 3034817 T3 JP 9503923 T PT 688189 T WO 9420041 A1 US 2001029956 A1 AT 164055 T AU 674837 B2 AU 3130393 A CA 2121688 A1 DE 9219136 U1 DE 69224847 D1 DE 69224847 T2 DK 620720 T3 EP 0620720 A1 ES 2114956 T3 JP 7501958 T WO 9309727 A1	08-07-1997 15-09-2000 27-08-1998 26-09-1994 15-09-1994 19-10-2000 22-03-2001 27-12-2000 27-12-1995 16-01-2001 28-02-2001 22-04-1997 28-02-2001 15-09-1994 18-10-2001 15-04-1998 16-01-1997 15-06-1993 27-05-1993 18-06-1998 23-04-1998 20-08-1998 28-09-1998 26-10-1994 16-06-1998 02-03-1995 27-05-1993
WO 0134223	A	17-05-2001	AU 1163901 A BR 0015460 A EP 1227853 A1 WO 0134223 A1 GB 2356148 A	06-06-2001 12-11-2002 07-08-2002 17-05-2001 16-05-2001
WO 0137922	A	31-05-2001	AU 3271601 A CZ 20021868 A3 EP 1233808 A2 NO 20022526 A WO 0137922 A2 US 2002161317 A1	04-06-2001 13-11-2002 28-08-2002 28-05-2002 31-05-2001 31-10-2002
EP 1088569	A	04-04-2001	EP 1088569 A2 AT 203174 T CA 2237606 A1 DE 19681649 T0 DE 29623482 U1 DE 69613997 D1 DE 69613997 T2 DK 865304 T3 EP 0865304 A1 ES 2159050 T3 GB 2344531 A ,B WO 9718007 A1 GB 2307180 A ,B GB 2336546 A ,B GR 3036872 T3 HK 1029536 A1 HK 1012589 A1	04-04-2001 15-08-2001 22-05-1997 03-12-1998 23-07-1998 23-08-2001 31-10-2001 24-09-2001 23-09-1998 16-09-2001 14-06-2000 22-05-1997 21-05-1997 27-10-1999 31-01-2002 14-12-2001 02-03-2001

INTER' TIONAL SEARCH REPORT

Information on patent family members

Inte. nternational Application No

PCT/US 02/32221

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
EP 1088569	A		JP 2000500992 T PT 865304 T US 6142982 A	02-02-2000 30-01-2002 07-11-2000
GB 1584772	A	18-02-1981	AT 546377 A DE 2730420 A1 DE 2760367 C2 ES 461135 A1 NL 7708421 A	15-01-1988 23-02-1978 19-05-1988 01-07-1978 01-02-1978
WO 0021586	A	20-04-2000	EP 1121163 A1 WO 0021586 A1 GB 2342584 A JP 2002527146 T	08-08-2001 20-04-2000 19-04-2000 27-08-2002